

Proposal Full View

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Applicant Information

Organization Name San Diego County Water Authority - *

Tax ID **95600276**

Proposal Name San Diego IRWM Implementation Grant Proposal *

Proposal Objective The San Diego IRWM Region is committed to implementing the goals and objectives established in the San Diego IRWM Plan, including (1) optimizing water supply reliability, (2) protecting and enhancing water quality, (3) providing stewardship of natural resources, and (4) coordinating and integrating water resources management. The project prioritization process used to select from the IRWM project list emphasized integration, benefits to DACs, and engaging partners. Through this process, stakeholders identified 11 projects for funding. The objective of this proposal is to present a suite of projects that: • Furthers the mission, vision, goals, and objectives established in the IRWM Plan; • Provides multiple benefits through integration of water management strategies; and • Assists in meeting the region's critical water supply, water quality, and natural resources needs. This proposal is a compilation of projects that will diversify water supply, improve water quality, restore native habitat, and coordinate data management. The water supply program will diversify water supplies through conservation and recycling projects and support adequate supplies to small water systems. The water quality program will reduce pollutants in stormwater runoff, receiving water bodies, and reservoirs. The natural resources program will improve surface water quality, ecosystem health, and flooding. The regional data management program will facilitate data management and coordination throughout the region. This proposal includes the suite of projects best suited to meeting the current and future challenges of the San Diego region. Each of these programs integrates projects to address regional needs. Further, projects within each program contain synergies and linkages with other projects, resulting in a truly integrated suite of projects assists the region in meeting its critical water management needs in a real and measurable fashion. *

Budget

Other Contribution	\$3,057,873.00
Local Contribution	\$5,988,454.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested	\$7,900,000.00 *
Total Project Cost	\$16,946,327.00 *

Geographic Information

Latitude * DD(+/-) MM SS

Longitude * DD(+/-) MM SS

Longitude/Latitude Clarification <http://itouchmap.com/latlong.html> Location San Diego IRWM Region

County San Diego *

Ground Water Basin Batiquitos Lagoon Valley,Cottonwood Valley,El Cajon Valley,Escondido Valley,Mission Valley,Otay Valley,Pamo Valley,Potrero Valley,Poway Valley,Ranchita Town Area,San Diego River Valley,San Dieguito Creek,San Elijo Valley,San Luis Rey Valley,San Marcos Area,San Mateo Valley,San Onofre Valley,San Pasqual Valley,Santa Margarita Valley,Santa Maria Valley,Sweetwater Valley,Tia Juana,Warner Valley,Campo Valley

Hydrologic Region South Coast

Watershed Carlsbad, Otay River, Pueblo, Penasquitos, San Diego River, San Dieguito River, San Juan, San Luis Rey River, Santa Margarita River, Sweetwater River, Tijuana River

Legislative Information

Assembly District 64th Assembly District,73rd Assembly District,66th Assembly District,74th Assembly District,75th Assembly District,76th Assembly District,77th Assembly District,78th Assembly District,79th Assembly District *

Senate District 36th Senate District,37th Senate District,38th Senate District,39th Senate District,40th Senate District *

US Congressional District District 45 (CA),District 49 (CA),District 50 (CA),District 51 (CA),District 52 (CA),District 53 (CA) *

Project Information

Project Benefits Information

Project Name	Sustainable Lands		
Project Benefit	Benefit Type	Measurement	

Type			
Primary	Water Use Efficiency - Conservation-Water Demand/Conservation	174	The Sustainable Landscapes Program activities designed to increase Implementation of the Sustainable Landscapes Program reliance on imported water supply discharges into water

Budget

Other Contribution	0
Local Contribution	350000
Federal Contribution	0
In-kind Contribution	0
Amount Requested	1050000
Total Project Cost	1400000

Geographic Information

Latitude DD(+/-)	32	MM 49	SS 47
Longitude DD(+/-)	-117	MM 7	SS 27
Longitude/Latitude Clarification		Location	This regional project will be implemented in the following locations:
County	San Diego		
Ground Water Basin	Batiqitos Lagoon Valley,Ranchita T Onofre Valley,San		
Hydrologic Region	South Coast		
WaterShed	Carlsbad, Otay River		

Legislative Information

Assembly District	66th Assembly District,73rd Assembly District,74th Assembly District,75th Assembly District,76th Assembly District,77th Assembly District,78th Assembly District,79th Assembly District
Senate District	36th Senate District,38th Senate District,39th Senate District,40th Senate District
US Congressional District	District 49 (CA),District 50 (CA),District 51 (CA),District 52 (CA),District 53 (CA)

Project Information**Project Benefits Information**

Project Name North San Diego County Regional Recycled Water

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Recycling-Water Supply Enhancement	4440	The North San Diego County Regional Recycled Water Project will provide for a comprehensive recycled water program by consolidating North San Diego recycled water projects to meet a regional need. Over time, the 11 project partners have developed separate and possibly redundant recycled water systems throughout northern San Diego County. This project will conduct a systems assessment of the recycled water systems of each partner, and develop recommendations for projects that interconnect and maximize use of recycled water within the combined service area. By integrating our recycled water systems throughout the North County subregion, the partners will maximize existing/planned infrastructure and resources while minimizing redundant costs. By working together, the reliability of recycled water supply will be vastly improved. This project enables the partners to ensure that all recycled water produced in the subregion is efficiently and effectively distributed to customers.

Budget

Other Contribution	0
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Local Contribution	<input type="text" value="500000"/>		
Federal Contribution	<input type="text" value="0"/>		
Inkind Contribution	<input type="text" value="0"/>		
Amount Requested	<input type="text" value="1500000"/>		
Total Project Cost	<input type="text" value="2000000"/>		
Geographic Information			
Latitude DD(+/-)	<input type="text" value="33"/>	MM <input type="text" value="8"/>	SS <input type="text" value="40"/>
Longitude DD(+/-)	<input type="text" value="-117"/>	MM <input type="text" value="12"/>	SS <input type="text" value="27"/>
Longitude/Latitude Clarification	<input type="text" value="Location Northern San Diego Co"/>		
County	<input type="text" value="San Diego"/>		
Ground Water Basin	<input type="text" value="Batiquitos Lagoon Valley,Escondido Valley,San Dieguito Creek,San Elijo Valley,San Luis Rey Valley,San Marcos Area"/>		
Hydrologic Region	<input type="text" value="South Coast"/>		
WaterShed	<input type="text" value="San Luis Rey River, Carlsbad, San Dieguito Ri"/>		

Legislative Information

Assembly District	<input type="text" value="66th Assembly District,73rd Assembly District,74th Assembly District,75th Assembly District"/>
Senate District	<input type="text" value="36th Senate District,38th Senate District"/>
US Congressional District	<input type="text" value="District 49 (CA),District 50 (CA)"/>

Project Information**Project Benefits Information**

Project Name

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Eradication/Treatment of Invasive Species	1234	The Lake Hodges Water Quality and Quagga Mitigation Measures project is needed to protect a nearly \$200 million investment in infrastructure that has been constructed to enhance San Diego County's ability to cope with a significant water supply outage. The Lake Hodges Pumped Storage projects were constructed between 2005 and 2010 and tie Lake Hodges to the Olivenhain Reservoir via a 1.25 mile pipeline and 40MW hydroelectric facility/pump station. Quagga mussels present in Olivenhain Reservoir can travel to Lake Hodges and San Dieguito Reservoir and will increase maintenance costs at all facilities attached to those water bodies. Mitigation measures are necessary to protect ability to transfer water between reservoirs and generate power. In addition, water quality improvements within Lake Hodges will be considered to improve the reservoir's usability as a reliable local source and address the water body's 303(d), impaired water body, listing.

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="300000"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="0"/>
Amount Requested	<input type="text" value="900000"/>
Total Project Cost	<input type="text" value="1200000"/>

Geographic Information
Latitude DD(+/-) MM SS

Longitude DD(+/-)	-117	MM 7	SS 2
Longitude/Latitude Clarification	Location Lake Hodges Reservoir, Olivenhain Reservoir, San Dieguito Reservoir, Lake Hodg		
County	San Diego		
Ground Water Basin	San Dieguito Creek,San Pasqual V		
Hydrologic Region	South Coast		
WaterShed	San Dieguito River		

Legislative Information

Assembly District	74th Assembly District,75th Assembly District
Senate District	38th Senate District
US Congressional District	District 50 (CA)

Project Information**Project Benefits Information**

Project Name

Implementing Nutrient Management in the San

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Watershed Assessments	0	Nitrogen and phosphorous loading from the Santa Margarita River watershed can result in low dissolved oxygen (DO) and increased algal blooms in the estuary and stream segments, several of which have been 303(d)-listed for nitrogen (N), phosphorus (P), or eutrophication. Addressing these adverse effects requires use of appropriate water quality objectives (WQOs) based on the level of nutrients a waterbody can sustainably assimilate. The Nutrient Numeric Endpoint (NNE) framework, an alternative regulatory approach advocated by State Water Resources Control Board and U.S. Environmental Protection Agency Region 9, is currently under development. The Implementing Nutrient Management in the Santa Margarita River Watershed project will address data gaps inherent in the NNE framework and refine nutrient WQOs for the watershed.

Budget

Other Contribution	67500
Local Contribution	172500
Federal Contribution	0
Inkind Contribution	0
Amount Requested	450000
Total Project Cost	690000

Geographic Information

Latitude DD(+/-)	33	MM 13	SS 52
Longitude DD(+/-)	-117	MM 24	SS 57
Longitude/Latitude Clarification	Location Santa Margarita River V		
County	San Diego		
Ground Water Basin	Santa Margarita Valley		
Hydrologic Region	South Coast		
WaterShed	Santa Margarita River		

Legislative Information

Assembly District	64th Assembly District,66th Assembly District,73rd Assembly District
Senate District	36th Senate District,37th Senate District,38th Senate District
US Congressional District	District 45 (CA),District 49 (CA)

Project Information

Project Benefits Information

Project Name

Bannock Avenue Neighborhood Streetscape Enhanc

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Stormwater Flood-Water Quality Improvement	1095	The goal of the Bannock Avenue Neighborhood Streetscape Enhancements for Tecolote Creek Watershed Protection project is to reduce the pollutant load and volume of runoff entering the storm drain system in the Tecolote Creek Watershed. The load reduction goal will be achieved by diverting stormwater from the street to bioretention and treatment planters through curb cutouts. Enhanced streets will infiltrate storm flows through pervious pavement, which will reduce storm flows. These goals will also be achieved by diverting flows through a trash segregation unit and a series of AbTech (Bacterial Treatment System) units within the watershed.

Budget

Other Contribution	0
Local Contribution	2893300
Federal Contribution	0
Inkind Contribution	0
Amount Requested	650000
Total Project Cost	3543300

Geographic Information

Latitude DD(+/-)	32	MM 49	SS 55
Longitude DD(+/-)	-117	MM 11	SS 38
Longitude/Latitude Clarification		Location	Tecolote Creek Watershed
County	San Diego		
Ground Water Basin			
Hydrologic Region	South Coast		
WaterShed	Penasquitos		

Legislative Information

Assembly District	76th Assembly District
Senate District	39th Senate District
US Congressional District	District 50 (CA)

Project Information**Project Benefits Information**

Project Name

Pilot Concrete Channel Infiltration Project

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Stormwater Flood-Water Quality Improvement	2.42	The Pilot Concrete Channel Infiltration Project will convert a portion of the concrete channel in Woodglen Vista Creek (and other channels as budget/logistics permit) to a more porous base, facilitating infiltration of dry weather flows without compromising flood control capacity.

Budget

Other Contribution	0
Local Contribution	83400
Federal Contribution	0
Inkind Contribution	0

Amount Requested	<input type="text" value="250000"/>		
Total Project Cost	<input type="text" value="333400"/>		
Geographic Information			
Latitude DD(+/-)	<input type="text" value="32"/>	MM <input type="text" value="50"/>	SS <input type="text" value="7"/>
Longitude DD(+/-)	<input type="text" value="-116"/>	MM <input type="text" value="58"/>	SS <input type="text" value="24"/>
Longitude/Latitude Clarification	<input type="text"/>	Location	<input type="text" value="City of Santee"/>
County	<input type="text" value="San Diego"/>		
Ground Water Basin	<input type="text" value="El Cajon Valley,San Diego River Valley"/>		
Hydrologic Region	<input type="text" value="South Coast"/>		
WaterShed	<input type="text" value="San Diego River"/>		

Legislative Information

Assembly District	<input type="text" value="77th Assembly District"/>
Senate District	<input type="text" value="36th Senate District"/>
US Congressional District	<input type="text" value="District 52 (CA)"/>

Project Information**Project Benefits Information**

Project Name

Project Benefit Type	Benefit Type	Measurement	Description
Primary	River Channel Restoration	0	The Chollas Creek Integration Project is needed to address water quality, flooding, and habitat protection concerns within the DACs surrounding Chollas Creek. The Chollas Creek watershed has been subject to urban runoff pollution and hydromodification by adjacent landowners and poor maintenance over the past few decades. Through analysis of hydrologic conditions and identification of pollution prevention strategies, these concerns will be addressed. Further, development of a stakeholder-driven water management process will benefit the disadvantaged communities by engaging them in the identification of key watershed issues and priorities.

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="94500"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="0"/>
Amount Requested	<input type="text" value="900000"/>
Total Project Cost	<input type="text" value="994500"/>

Geographic Information

Latitude DD(+/-)	<input type="text" value="32"/>	MM <input type="text" value="42"/>	SS <input type="text" value="35"/>
Longitude DD(+/-)	<input type="text" value="-117"/>	MM <input type="text" value="4"/>	SS <input type="text" value="53"/>
Longitude/Latitude Clarification	<input type="text"/>	Location	<input type="text" value="Chollas Creek"/>
County	<input type="text" value="San Diego"/>		
Ground Water Basin	<input type="text" value="Sweetwater Valley"/>		
Hydrologic Region	<input type="text" value="South Coast"/>		
WaterShed	<input type="text" value="Pueblo"/>		

Legislative Information

Assembly District	<input type="text" value="76th Assembly District,78th Assembly District,79th Assembly District"/>
Senate District	<input type="text" value="36th Senate District,39th Senate District,40th Senate District"/>
US Congressional District	<input type="text" value="District 51 (CA),District 52 (CA),District 53 (CA)"/>

Project Information**Project Benefits Information**

Project Name

Regional Water Data Management Program

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other-Data bases developed	0	During the development of the 2007 San Diego IRWM Plan, stakeholders identified that establishing a regional, web-based data management system was a short-term priority necessary to address immediate needs of the region. It was recognized that there is a multitude of monitoring and sampling programs in place throughout the region, the degree to which data generated by such efforts is shared varies. The result can be duplication of data collection efforts or the failure to identify and address significant gaps in data collection and analysis. The idea is that a web-based system will make data instantly available to interested stakeholders and will facilitate data sharing by transmitting data through user-friendly features. Rather than relying on agency-to-agency data transfers, the web-based system can act as a central clearinghouse for information.

Budget

Other Contribution

0

Local Contribution

53327

Federal Contribution

0

Inkind Contribution

0

Amount Requested

150000

Total Project Cost

203327

Geographic Information

Latitude DD(+/-)

32 MM 45 SS 25

Longitude DD(+/-)

-117 MM 15 SS 31

Longitude/Latitude Clarification

Location

San Diego IRWM Regio

County	San Diego
Ground Water Basin	Batiquitos Lagoon Valley,Cottonwood Valley,El Cajon Valley,Escondido Valley,Mission Valley,Otay Valley,Pamo Valley,Potrero Valley,Poway Valley,Ranchita Town Area,San Diego River Valley,San Dieguito Creek,San Elijo Valley,San Luis Rey Valley,San Marcos Area,San Mateo Valley,San Onofre Valley,San Pasqual Valley,Santa Margarita Valley,Santa Maria Valley,Sweetwater Valley,Tia Juana,Warner Valley,Campo Valley
Hydrologic Region	South Coast
WaterShed	Carlsbad, Otay River, Pueblo, Penasquitos, San Diego River, San Dieguito River, San

Legislative Information

Assembly District	66th Assembly District,73rd Assembly District,74th Assembly District,75th Assembly District,76th Assembly District,77th Assembly District,78th Assembly District,79th Assembly District
Senate District	36th Senate District,38th Senate District,39th Senate District,40th Senate District
US Congressional District	District 49 (CA),District 50 (CA),District 51 (CA),District 52 (CA),District 53 (CA)

Project Information**Project Benefits Information**

Project Name

San Diego Regional Water Quality Assessment

Project Benefit Type	Benefit Type	Measurement	Description
	Water and Sediment Quality-Surface		The San Diego Regional Water Quality Assessment and Outreach Project brings together community members to understand and actively participate in the monitoring of their watershed health. Critical funding through Proposition 84 builds on San Diego

Primary	water quality samples taken	0	CoastKeeper's established citizen volunteer water quality monitoring program and continues important regional water quality assessment, baseline data acquisition, and analysis to support effective water quality management and source and non-point source pollution identification and reduction.
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Budget

Other Contribution	0
Local Contribution	167000
Federal Contribution	0
Inkind Contribution	0
Amount Requested	500000
Total Project Cost	667000

Geographic Information

Latitude DD(+/-)	32	MM 45	SS 51
Longitude DD(+/-)	-117	MM 10	SS 12
Longitude/Latitude Clarification		Location	San Diego IRWM Regio

County	San Diego
Ground Water Basin	San Elijo Valley, San Luis Rey Valley, San Marcos Area, San Mateo Valley, San Onofre Valley, San Pasqual Valley, Santa Margarita Valley, Santa Maria Valley, Sweetwater Valley, Tia Juana, Warner Valley, Campo Valley, Batiquitos Lagoon Valley, Cottonwood Valley, El Cajon Valley, Escondido Valley, Mission Valley, Otay Valley, Pamo Valley, Potrero Valley, Poway Valley, Ranchita Town Area, San Diego River Valley, San Dieguito Creek
Hydrologic Region	South Coast
WaterShed	Carlsbad, Otay River, Pueblo, Penasquitos, San Diego River, San Dieguito River, Sai

Legislative Information

Assembly District	66th Assembly District, 73rd Assembly District, 74th Assembly District, 75th Assembly District, 76th Assembly District, 77th Assembly District, 78th Assembly District, 79th Assembly District
Senate District	36th Senate District, 38th Senate District, 39th Senate District, 40th Senate District
US Congressional District	District 49 (CA), District 50 (CA), District 51 (CA), District 52 (CA), District 53 (CA)

Project Information**Project Benefits Information**

Project Name North San Diego County Cooperative Deminer

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Recycling- Water Quality Improvement	560	The North San Diego County Cooperative Demineralization Project is needed to (1) create sustainable and diverse local water supplies, (2) provide salinity and nutrient management to the North San Diego County coastal region, (3) address existing high total dissolved solids (TDS) issues in recycled water (which is currently in excess of requirements in the Water Quality Control Plan for the San Diego Basin 9 [Basin Plan]), (4) divert urban runoff and first flush storm water from the San Elijo Lagoon, a 303(d)-listed water body, (5) divert urban runoff and first flush storm water at the Seascapes storm drain (Solana Beach), which has a chronic history exceeding REC-1 water quality bacterial standards, and (6) reduce wastewater discharge to the Pacific Ocean.

Budget

Other Contribution	2990373
Local Contribution	1344427
Federal Contribution	0
Inkind Contribution	0

Amount Requested	1050000
Total Project Cost	5384800
Geographic Information	
Latitude DD(+/-)	33 MM 0 SS 58
Longitude DD(+/-)	-117 MM 16 SS 23
Longitude/Latitude Clarification	Location San Elijo Water Reclamation Facility in Encinitas, and stormwat
County	San Diego
Ground Water Basin	Batiquitos Lagoon Valley,San Dieguito Creek,San Elijo Valley
Hydrologic Region	South Coast
WaterShed	Carlsbad, San Dieguito River

Legislative Information

Assembly District	74th Assembly District,75th Assembly District
Senate District	38th Senate District
US Congressional District	District 50 (CA)

Project Information**Project Benefits Information**

Project Name	Rural Disadvantaged Community (DAC) Partne										
	<table><thead><tr><th>Project Benefit Type</th><th>Benefit Type</th><th>Measurement</th><th>Description</th></tr></thead><tbody><tr><td>Primary</td><td>Other-Improved Water Supply Facilities</td><td>0</td><td>Rural communities within the San Diego IRWM Region unincorporated areas have water quantity and quality issues exacerbated by climate change, poor economies, and lack of community expertise. Inadequate water supply to support existing communities is a public health risk. The majority of drinking water maximum containment level (MCL) violations occur with small public water systems. Further, inadequate wastewater treatment results in unplanned discharge events.</td></tr></tbody></table>	Project Benefit Type	Benefit Type	Measurement	Description	Primary	Other-Improved Water Supply Facilities	0	Rural communities within the San Diego IRWM Region unincorporated areas have water quantity and quality issues exacerbated by climate change, poor economies, and lack of community expertise. Inadequate water supply to support existing communities is a public health risk. The majority of drinking water maximum containment level (MCL) violations occur with small public water systems. Further, inadequate wastewater treatment results in unplanned discharge events.		
Project Benefit Type	Benefit Type	Measurement	Description								
Primary	Other-Improved Water Supply Facilities	0	Rural communities within the San Diego IRWM Region unincorporated areas have water quantity and quality issues exacerbated by climate change, poor economies, and lack of community expertise. Inadequate water supply to support existing communities is a public health risk. The majority of drinking water maximum containment level (MCL) violations occur with small public water systems. Further, inadequate wastewater treatment results in unplanned discharge events.								

Budget

Other Contribution	0
Local Contribution	30000
Federal Contribution	0
Inkind Contribution	0
Amount Requested	500000
Total Project Cost	530000

Geographic Information

Latitude DD(+/-)	33 MM 0 SS 0
Longitude DD(+/-)	-117 MM 0 SS 0
Longitude/Latitude Clarification	Location Rural (unincorporated) area
County	San Diego
Ground Water Basin	San Elijo Valley,San Luis Rey Valley,San Marcos Area,San Mateo Valley,San Onofre Valley,San Pasqual Valley,Santa Margarita Valley,Santa Maria Valley,Sweetwater Valley,Tia Juana,Warner Valley,Campo Valley,Batiquitos Lagoon Valley,Cottonwood Valley,El Cajon Valley,Escondido Valley,Mission Valley,Otay Valley,Pamo Valley,Potrero Valley,Poway Valley,Ranchita Town Area,San Diego River Valley,San Dieguito Creek
Hydrologic Region	South Coast
WaterShed	Carlsbad, Otay River, Pueblo, Penasquitos, San Diego River, San Dieguito River, Sai

Legislative Information

Assembly District	66th Assembly District,73rd Assembly District,74th Assembly District,75th Assembly District,76th Assembly District,77th Assembly District,78th Assembly District,79th Assembly District
Senate District	36th Senate District,38th Senate District,39th Senate District,40th Senate District

US Congressional District	District 49 (CA),District 50 (CA),District 51 (CA),District 52 (CA),District 53 (CA)
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Section : Applicant Information and Question's Tab

APPLICANT INFORMATION AND QUESTION'S TAB

Q1. PROPOSAL DESCRIPTION

Provide a brief abstract of the Proposal, including a listing of individual project titles or types. Please note which projects, if any, directly address a critical water supply or water quality issue for a DAC or Native American Tribal communities.

The San Diego IRWM Region is committed to implementing the regional goals and objectives established in the 2007 San Diego IRWM Plan, including (1) optimizing water supply reliability, (2) protecting and enhancing water quality, (3) providing stewardship of our natural resources, and (4) coordinating and integrating water resources management. This San Diego IRWM Implementation Grant Proposal contains authorization documentation, proof of formal adoption, work plans, budgets, schedules, and other project details for each of the 11 projects proposed in this funding package. This proposal is a compilation of projects that will diversify water supply, improve water quality, restore native habitat, and coordinate data management throughout the region. The water supply program (4 projects) will serve two purposes (1) diversify water supplies through water conservation and recycling projects and (2) support adequate supplies to small water systems. The projects will together reduce dependence on water imports and enhance water supply reliability. The water quality program (5 projects) will enhance surface water quality by reducing pollutants in stormwater runoff, receiving water bodies, and reservoirs. The natural resources and watersheds program (1 project) will improve surface water quality, in addition to improving ecosystem health and reducing flooding hazards. The final project – a regional data management system – will facilitate data management and coordination throughout the San Diego IRWM region. Below is a listing of 11 proposed projects: Water Supply / Recycled Water 1. Sustainable Landscapes Program 2. North San Diego County Regional Recycled Water Project 3. North San Diego County Cooperative Demineralization Project 4. Rural Disadvantaged Community (DAC) Partnership Project: This project directly addresses critical water supply and water quality issues for DACs in rural communities of San Diego. Water Quality / Stormwater 5. Lake Hodges Water Quality and Quagga Mitigation Measures 6. Implementing Nutrient Management in the Santa Margarita River Watershed 7. Bannock Avenue Neighborhood Streetscape Enhancements for Tecolote Creek Watershed Protection 8. Pilot Concrete Channel Infiltration Project 9. San Diego Regional Water Quality Assessment and Outreach Project Natural Resources and Watersheds 10. Chollas Creek Integration Project: This project directly addresses water quality, flooding, and ecosystem health issues for DACs in the disadvantaged Encanto neighborhood. Data Management 11. Regional Water Data Management Program

Q2. PROJECT DIRECTOR

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Mark Stadler Principal Water Resources Specialist Water Resources Department San Diego County Water Authority 4677 Overland Avenue San Diego CA 92123 (858) 522-6735 MStadler@sdewa.org

Q3. PROJECT MANAGEMENT

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Mark Stadler Principal Water Resources Specialist Water Resources Department San Diego County Water Authority 4677 Overland Avenue San Diego CA 92123 (858) 522-6735 MStadler@sdewa.org

Q4. APPLICANT INFORMATION

Provide the agency name, address, city, state, and zip code of the applicant submitting the application.

San Diego County Water Authority 4677 Overland Avenue San Diego CA 92123 (858) 522-6735

Q5. ADDITIONAL INFORMATION

Provide the funding area(s) in which projects are located.

http://www.water.ca.gov/irwm/integregio_fundingarea.cfm

The projects within this proposal are located within the San Diego Funding Area.

Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD(S)

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.

http://www.waterboards.ca.gov/waterboards_map.shtml

The San Diego IRWM Region lies within the San Diego Regional Water Quality Control Board (Region 9).

Q7. ELIGIBILITY

Proposition 84 requires a minimum funding match of 25% of total project cost unless there is a DAC project included in the proposal. Requirements for DAC funding match reductions are included in Exhibit G of this PSP. If your matching funds are less than 25%, please explain.

The San Diego IRWM Implementation Grant Proposal has a funding match of approximately 35% of total project cost.

Q8. ELIGIBILITY

Does the application represent a single application from an IRWM Region approved in the RAP (see Section II.B, Table 1)? If yes, include the name of the IRWM Region. If not, explain.

Yes. The proposal represents a single application from the San Diego IRWM Region approved in the 2009 RAP cycle.

Q9. ELIGIBILITY

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?

a) ☒ Yes

b) ☐ No

Q10. ELIGIBILITY

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q11 and Q12.

The urban water suppliers that will receive funding from the proposed grants include: San Diego County Water Authority, City of San Diego, and Olivenhain Municipal

Water District. Self-certification forms for the San Diego County Water Authority and Olivenhain Municipal Water District have been submitted previously and approved by DWR. Self certification forms for the City of San Diego have been submitted with the proposal.

Q11. ELIGIBILITY

Have all of the urban water suppliers, listed in Q10 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q10, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

Yes. The San Diego County Water Authority, the City of San Diego, and Olivenhain Municipal Water District have all submitted and received verification of a complete 2005 UWMP by DWR. All three urban water suppliers will submit an updated 2010 UWMP consistent with the 2010 Guidebook by the July 1, 2011 extension.

Q12. ELIGIBILITY

Have any urban water suppliers listed in Q10 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section IIIB of the Guidelines for additional information.

Yes. The urban water suppliers that will receive funding from the proposed grants include: San Diego County Water Authority, City of San Diego, and Olivenhain Municipal Water District. Self-certification forms for the San Diego County Water Authority and Olivenhain Municipal Water District have been submitted previously and approved by DWR. Self certification forms for the City of San Diego have been submitted with the proposal.

Q13. ELIGIBILITY

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project(s) and list the agency(ies) that will implement the project(s).

No.

Q14. ELIGIBILITY

For the agency(ies) listed in Q13, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section IIIB of the Grant Guidelines?

N/A.

Q15. ELIGIBILITY

Does the IRWM region receive water supplied from the Sacramento-San Joaquin Delta? Please answer yes or no. If no, please explain. If yes, please answer Question 16.

Yes, the San Diego Region receives imported water supplies through the State Water Project.

Q16. ELIGIBILITY

Does the existing IRWM Plan help reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

Yes, the San Diego IRWM Plan reduces dependence on future additional imported water supplies through water conservation, source substitution, and recycling.

Q17. ELIGIBILITY

If an update to the plan takes place in the near future, will the updated plan continue to reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

Yes, expected future San Diego IRWM Plan updates will continue to reduce dependence on Delta water supplies.

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

A1. ATTACHMENT 1

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att1_IG1_SanDiegoIRWM_Eligible_1of1.pdf

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

A2. ATTACHMENT 2

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att2_IG1_SanDiegoIRWM_Adopt_1of1.pdf

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

A3. ATTACHMENT 3

Upload the Work Plan here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att3_IG1_SanDiegoIRWM_WorkPlan_1of1.pdf

Upload additional work plan components here.

Upload additional work plan components here.

Upload additional work plan components here.

Upload additional work plan components here.

A4. ATTACHMENT 4

Upload the Budget here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att4_IG1_SanDiegoIRWM_Budget_1of1.pdf

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

A5. ATTACHMENT 5

Upload the Schedule here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att5_IG1_SanDiegoIRWM_Schedule_1of1.pdf

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

A6. ATTACHMENT 6

Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att6_IG1_SanDiegoIRWM_Measures_1of1.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

A7. ATTACHMENT 7

Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att7_IG1_SanDiegoIRWM_WSBen_1of1.pdf

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

A8. ATTACHMENT 8

Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att8_IG1_SanDiegoIRWM_WQOtherBen_1of1.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Section : Application Attachments Tab (cont)

APPLICATION ATTACHMENTS TAB (CONT)

A9. ATTACHMENT 9

Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att9_IG1_SanDiegoIRWM_DReduc_1of1.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

A10. ATTACHMENT 10

Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att10_IG1_SanDiegoIRWM_BSummary_1of1.pdf

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

A11. ATTACHMENT 11

Upload Program Preference documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att11_IG1_SanDiegoIRWM_Preference_1of1.pdf

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

A12. ATTACHMENT 12

Upload Disadvantaged Community Assistance documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att12_IG1_SanDiegoIRWM_DAC_1of1.pdf

Upload additional Disadvantaged Community Assistance documentation here.

Upload additional Disadvantaged Community Assistance documentation here.

Upload additional Disadvantaged Community Assistance documentation here.

Upload additional Disadvantaged Community Assistance documentation here.

A13. ATTACHMENT 13

Upload AB 1420 and Water Meter Compliance documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att13_IG1_SanDiegoIRWM_AB1420_1of1.pdf

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

A14. ATTACHMENT 14

Upload Consent Form here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att14_IG1_SanDiegoIRWM_Consent_1of1.pdf

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

A15. ATTACHMENT 15

Upload IRWM Plan - Reduce Delta Water Dependence documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin). For the "AttachmentName" in the naming convention of BMS, use "Delta" for this attachment.

Last Uploaded Attachments: Att15_IG1_SanDiegoIRWM_Deltawater_1of1.pdf

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.
